

CLAIMS

1. An attachable rod ignition coil with an ignition coil component having a spark plug receptacle for fastening on a spark plug,
characterized in that
a shock-absorbing element (17) is mounted in the area of the spark plug receptacle (25) of the ignition coil component (24).
2. An attachable rod ignition coil with an ignition coil component and an adapter with spark plug receptacle for fastening on a spark plug,
characterized in that
a shock-absorbing element (14, 17, 23) is mounted between the ignition coil component (4) and the adapter (2) and/or the adapter (2) and the spark plug receptacle (12).
3. The rod ignition coil as claimed in claim 2,
wherein
the adapter (2) and the ignition coil component (4) are movable relative to each other along a damping path in the axial direction.
4. The rod ignition coil as claimed in claim 2 or 3,
wherein
there is configured on the adapter (2) or on the ignition coil component (4) a plug socket (11) into which a diametrically opposite correspondingly configured plug section (6) of the respective other component may be inserted.

5. The rod ignition coil as claimed in one of claims 2 to 4,
wherein
the shock-absorbing element (17) or optionally a second shock-absorbing element is mounted
in the area of the spark plug receptacle (12).
6. The rod ignition coil as claimed in one of claims 2 to 5,
wherein
the adapter (2) may be made of a metal or a metal alloy, a brass alloy in particular.
7. The rod ignition coil as claimed in one of the preceding claims,
wherein
the shock-absorbing element (14, 17, 23) may undergo deformation accompanied by
dissipation of energy as the rod ignition coil (1) is mounted on the spark plug (3).
8. The rod ignition coil as claimed in one of the preceding claims,
wherein
the shock-absorbing element (14, 17, 23) is mounted axially in true alignment.
9. The rod ignition coil as claimed in one of the preceding claims,
wherein
the shock-absorbing element (14, 17) consists of one of the materials plastic, rubber, silicon,
metal, ceramic, sintered material, or a combination of these materials.
10. The rod ignition coil as claimed in one of the preceding claims,
wherein
the shock-absorbing element (14, 17) is electrically conductive.

11. The rod ignition coil as claimed in one of the preceding claims,
wherein
the shock-absorbing element (14, 17) is configured as a disk or roller.
12. The rod ignition coil as claimed in one of claims 2 to 10,
wherein
the shock-absorbing element is configured as a pressure spring (23).
13. The rod ignition coil as claimed in claim 12,
wherein
one end of the pressure spring (23) is inserted or may be inserted into a recess in the ignition coil component (4) and the other end is inserted or may be inserted into a recess in the adapter (2).